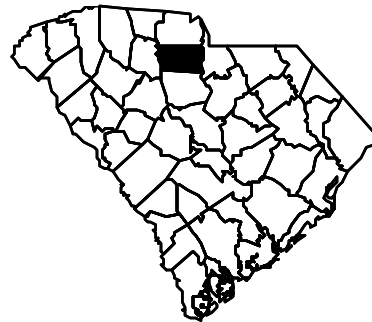


ASTHMA IN CHESTER COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month (May 2003)

Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

Impact of Asthma in Chester County

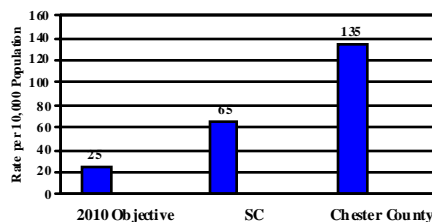
- About 2,282 (6.7%) adults in Chester county suffer annually from asthma.
- In 2001, there were 101 hospitalizations for asthma in Chester county for all ages.

Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Chester county for children under the age of 18.

- In 2001, there were 53 asthma hospitalizations of children (<18 years) in Chester county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Chester county had a rate of 135 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Chester County, 2001

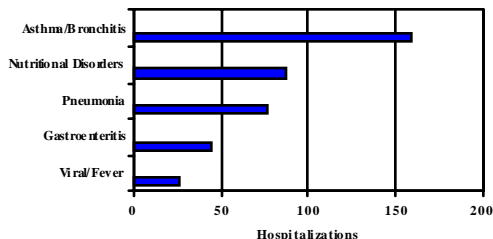


Data Source: Office of Research & Statistics

Cost of Asthma

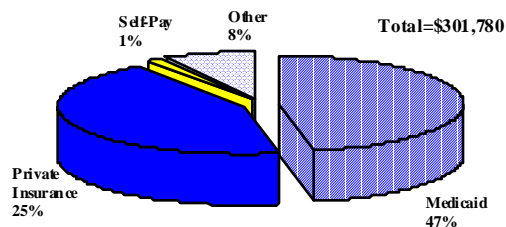
- \$301,780 was charged in 2001 for hospital and ER visits in Chester county for asthmatic children (<18 years).
- Medicaid covered nearly 47% of these charges.

Leading Causes of Hospitalization in Children Aged 0-18, Chester County, 2001



Data Source: Office of Research & Statistics

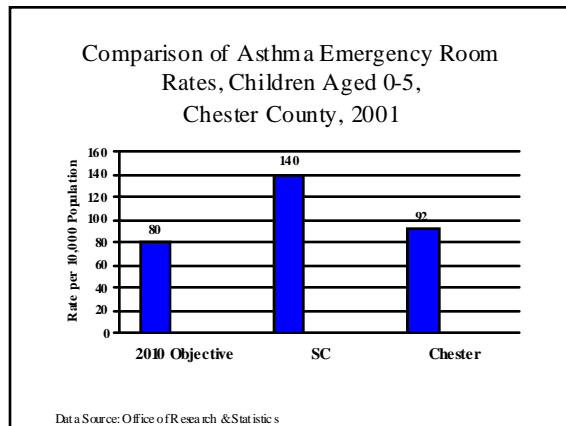
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Chester County, 2001



Data Source: Office of Research & Statistics

Emergency Room

- 60 children under the age of 18 visited the ER due to asthma in Chester county in 2001. This represents 39% of all ER visits due to asthma.
- \$20,280 was charged for ER visits in Chester county for asthmatic children (<18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Chester county had an ER rate of 92 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

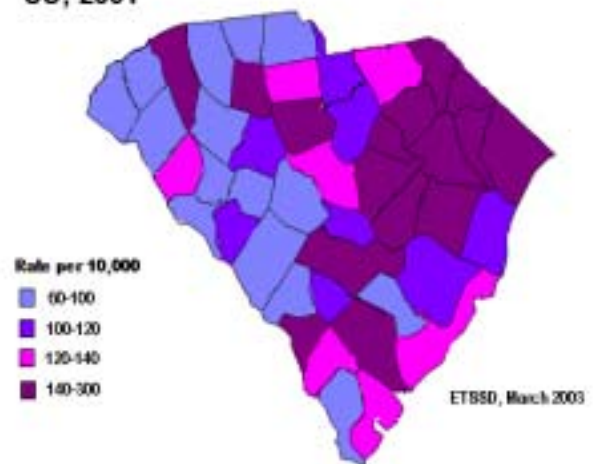


Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is less often as white children.

Hospital and Emergency Room Rates per 10,000 Children (<18 years), 2001				
	Chester County		South Carolina	
	White	Non-white	White	Non-white
Hospital	46.1	70.5	19.2	41.5
ER	46.1	85.9	46.0	155.5

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



For more information on asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Bureau of Epidemiology
(803) 545-4920

Vital Records

Division of Biostatistics
(803) 898-3649

Bureau of Air Quality

Outreach Section
(803) 898-4467

www.scdhec.net

Generated By:

Epi Technical Support and Services Division
Bureau of Epidemiology

Hospital discharges and ER visits, contact:

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